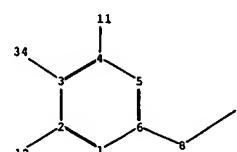
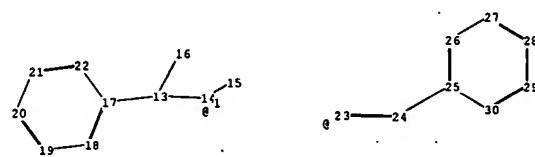
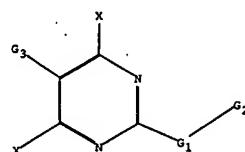
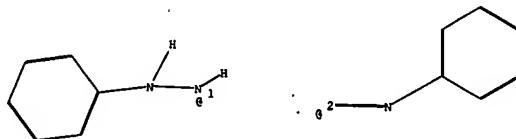


EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1014	(544/316).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/29 14:03
L2	4	(("6525060") or ("5654285")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/29 14:07
L3	65	larsson.inv. and ulf.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/29 14:07
L4	3	Radevik.inv. and kajsa.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/29 14:08



chain nodes :
 8 9 11 12 13 14 15 16 23 24 34
 ring nodes :
 1 2 3 4 5 6 17 18 19 20 21 22 25 26 27 28 29 30
 chain bonds :
 2-12 3-34 4-11 6-8 8-9 13-14 13-16 13-17 14-15 23-24 24-25
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
 25-26 25-30 26-27 27-28 28-29 29-30
 exact/norm bonds :
 3-34 6-8 8-9 13-14 13-17 23-24 24-25
 exact bonds :
 2-12 4-11 13-16 14-15
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
 25-26 25-30 26-27 27-28 28-29 29-30
 isolated ring systems :
 containing 1 : 17 : 25 :

G1:O,S

G2:Cb,Ak

G3:NH2,NO2,[*i],[*2]

Match level :

 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS
 11:CLASS

12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom
18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 34:CLASS

10/599, 377

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * Welcome to STN International * * * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 02 LMEDLINE coverage updated
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/CAplus enhanced with utility model patents from China
NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/CAplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 BEILSTEIN updated with new compounds
NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 13 AUG 13 CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14 AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16 AUG 27 USPATOLD now available on STN
NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19 SEP 13 FORIS renamed to SOFIS
NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 21 SEP 17 CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22 SEP 17 CAplus coverage extended to include traditional medicine patents
NEWS 23 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

10/599, 377

STN Columbus * * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:45:49 ON 29 SEP 2007

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 13:46:01 ON 29 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2007 HIGHEST RN 948877-55-2
DICTIONARY FILE UPDATES: 28 SEP 2007 HIGHEST RN 948877-55-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

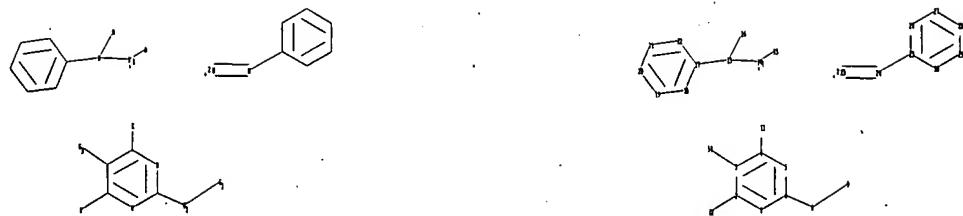
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=> Uploading C:\Program Files\Stnexp\Queries\10599377.str
```



chain nodes :
 8 9 11 12 13 14 15 16 23 24 34
 ring nodes :
 1 2 3 4 5 6 17 18 19 20 21 22 25 26 27 28 29 30
 chain bonds :
 2-12 3-34 4-11 6-8 8-9 13-14 13-16 13-17 14-15 23-24 24-25
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 25-26
 25-30 26-27 27-28 28-29 29-30
 exact/norm bonds :
 3-34 6-8 8-9 13-14 13-17 23-24 24-25
 exact bonds :
 2-12 4-11 13-16 14-15
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 25-26
 25-30 26-27 27-28 28-29 29-30
 isolated ring systems :
 containing 1 : 17 : 25 :

G1:O,S

G2:Cb,Ak

G3:NH2,NO2,[*1],[*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 11:CLASS
 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom
 29:Atom 30:Atom 34:CLASS

10/599, 377

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 13:46:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 5 TO 234
PROJECTED ANSWERS: 1 TO 80

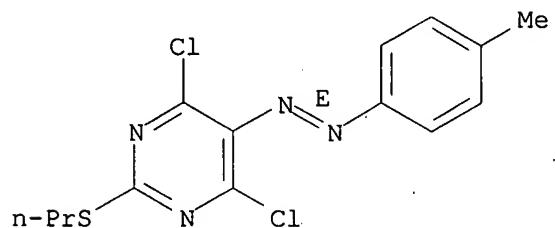
L2 1 SEA SSS SAM L1

=> d scan

10/599, 377

L2 1 ANSWERS REGISTRY. COPYRIGHT 2007 ACS on STN
IN Pyrimidine, 4,6-dichloro-5-[(1E)-(4-methylphenyl)azo]-2-(propylthio)-
(9CI)
MF C14 H14 Cl2 N4 S

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

10/599, 377

=> s 11 sss ful
FULL SEARCH INITIATED 13:46:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 184 TO ITERATE

100.0% PROCESSED 184 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

L3 15 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
SESSION
FULL ESTIMATED COST 172.10 172.31

FILE 'CAPLUS' ENTERED AT 13:46:47 ON 29 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 29 Sep 2007 VOL 147 ISS 15
FILE LAST UPDATED: 28 Sep 2007 (20070928/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13
L4 47 L3

=> d 14 1-47 bib hitstr

10/599,377

L4 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:934078 CAPLUS
DN 147:301189
TI metal-catalyzed reduction of 5-(aryl-diazenyl)-4,6-dihalo-pyrimidine
IN Quittmann, Wilhelm; Zhu, Wei; Ye, Feng; Chen, Rongmin
PA Lonza A.-G., Switz.; Lonza Guangzhou Research and Development Center Ltd.
SO PCT Int. Appl., 25pp.

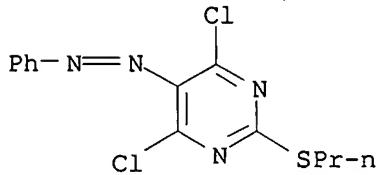
CODEN: PIXXD2

DT Patent

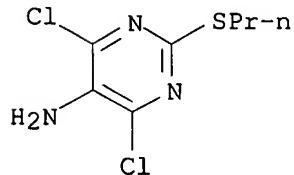
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2007093368 | A1 | 20070823 | WO 2007-EP1216 | 20070213 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM | | | | |
| PRAI | EP 2006-2822 | A | 20060213 | | |
| | EP 2006-9627 | A | 20060510 | | |
| OS | CASREACT 147:301189 | | | | |
| IT | 946855-77-2P | | | | |
| | RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(metal-catalyzed reduction of 5-(aryl-diazenyl)-4,6-dihalo-pyrimidine) | | | | |
| RN | 946855-77-2 CAPLUS | | | | |
| CN | INDEX NAME NOT YET ASSIGNED | | | | |



IT 145783-15-9P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(metal-catalyzed reduction of 5-(aryl-diazenyl)-4,6-dihalo-pyrimidine)
RN 145783-15-9 CAPLUS
CN 5-Pyrimidinamine, 4,6-dichloro-2-(propylthio)- (CA INDEX NAME)

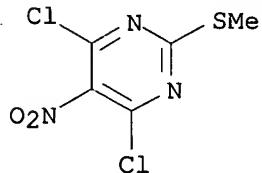


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

10/599, 377

L4 ANSWER 2 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:346957 CAPLUS
DN 146:521582
TI Utility of 4,6-dichloro-2-(methylthio)-5-nitropyrimidine. Part 3:
Regioselective solid-phase synthesis of a 2,6,8,9-tetrasubstituted purine
library
AU Hammarstroem, Lars G. J.; Smith, David B.; Talamas, Francisco X.
CS Roche Palo Alto LLC, Palo Alto, CA, 94304, USA
SO Tetrahedron Letters (2007), 48(16), 2823-2827
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Ltd.
DT Journal
LA English
OS CASREACT 146:521582
IT 1979-96-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(regioselective solid-phase synthesis of tetrasubstituted purine
library via reductive amination of resin, substitution of
dichloromethylthionitropyrimidine and subsequent oxidation, reduction,
cyclization and cleavage.)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA
INDEX NAME)

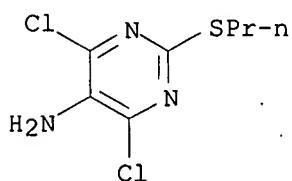


RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

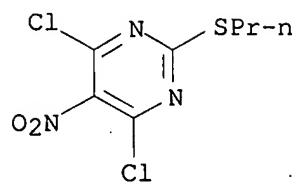
L4 ANSWER 3 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1103758 CAPLUS
DN 143:387052
TI Chemical process for preparing aminopyrimidines via hydrogenation
IN Larsson, Ulf; Radevik, Kajsa
PA Astrazeneca AB, Swed.; Astrazeneca UK Limited
SO PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|------------------|----------|
| PI | WO 2005095358 | A2 | 20051013 | WO 2005-GB1188 | 20050329 |
| | WO 2005095358 | A3 | 20060105 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, ÜG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG | | | | |
| | AU 2005227727 | A1 | 20051013 | AU 2005-227727 | 20050329 |
| | CA 2560094 | A1 | 20051013 | CA 2005-2560094 | 20050329 |
| | EP 1751117 | A2 | 20070214 | EP 2005-729737 | 20050329 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV | | | | |
| | CN 1938284 | A | 20070328 | CN 2005-80010284 | 20050329 |
| | BR 2005009323 | A | 20070904 | BR 2005-9323 | 20050329 |
| | NO 2006004117 | A | 20061030 | NO 2006-4117 | 20060913 |
| | IN 2006DN05348 | A | 20070713 | IN 2006-DN5348 | 20060915 |
| | US 2007219371 | A1 | 20070920 | US 2006-599377 | 20060927 |
| | MX 2006PA11235 | A | 20061129 | MX 2006-PA11235 | 20060929 |
| PRAI | SE 2004-1001 | A | 20040331 | | |
| | WO 2005-GB1188 | W | 20050329 | | |
| OS | CASREACT 143:387052 | | | | |
| IT | 145783-15-9P, 4,6-Dichloro-2-(propylthio)pyrimidin-5-amine
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
(Preparation)
(chemical process for preparing aminopyrimidines via hydrogenation) | | | | |
| RN | 145783-15-9 CAPLUS | | | | |
| CN | 5-Pyrimidinamine, 4,6-dichloro-2-(propylthio)- (CA INDEX NAME) | | | | |



IT 145783-14-8, 4,6-Dichloro-5-nitro-2-(propylthio)pyrimidine
376608-73-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(chemical process for preparing aminopyrimidines via hydrogenation)
RN 145783-14-8 CAPLUS
CN Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME)

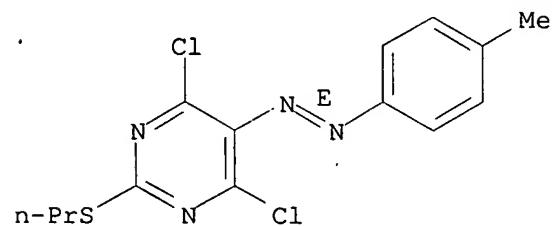
10/599, 377



RN 376608-73-0 CAPLUS

CN Pyrimidine, 4,6-dichloro-5-[(1E)-(4-methylphenyl)azo]-2-(propylthio)-
(9CI) (CA INDEX NAME)

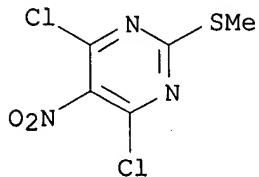
Double bond geometry as shown.



10/599, 377

L4 ANSWER 4 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:20688 CAPLUS
DN 140:77160
TI Preparation of aminopurines from nitropyrimidines.
IN Hammarstroem, Lars G. J.; Krauss, Nancy Elisabeth; Labadie, Sharada
Shenvi; Smith, David Bernard; Talamas, Francisco Xavier
PA F. Hoffmann-La Roche A.-G., Switz.
SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004002990 | A2 | 20040108 | WO 2003-EP6568 | 20030623 |
| | WO 2004002990 | A3 | 20040304 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
UG, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2488562 | A1 | 20040108 | CA 2003-2488562 | 20030623 |
| | AU 2003279690 | A1 | 20040119 | AU 2003-279690 | 20030623 |
| | EP 1519938 | A2 | 20050406 | EP 2003-740304 | 20030623 |
| | EP 1519938 | B1 | 20070411 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | CN 1665814 | A | 20050907 | CN 2003-815134 | 20030623 |
| | JP 2005535631 | T | 20051124 | JP 2004-516636 | 20030623 |
| | US 2004034224 | A1 | 20040219 | US 2003-608657 | 20030627 |
| | US 7105666 | B2 | 20060912 | | |
| PRAI | US 2002-392081P | P | 20020627 | | |
| | WO 2003-EP6568 | W | 20030623 | | |
| OS | MARPAT 140:77160 | | | | |
| IT | 1979-96-0, 4,6-Dichloro-2-methylthio-5-nitropyrimidine | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (preparation of aminopurines from nitropyrimidines) | | | | |
| RN | 1979-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



10/599, 377

L4 ANSWER 5 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:2886 CAPLUS
DN 140:77157

TI Preparation of novel purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles
for treating diseases associated with cysteine protease activity

IN Bailey, Andrew; Pairaudeau, Garry; Patel, Anil; Thom, Stephen

PA Astrazeneca AB, Swed.

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004000843 | A1 | 20031231 | WO 2003-SE1079 | 20030623 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KÉ, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003243096 | A1 | 20040106 | AU 2003-243096 | 20030623 |
| | EP 1532148 | A1 | 20050525 | EP 2003-761002 | 20030623 |
| | EP 1532148 | B1 | 20070117 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | JP 2005533804 | T | 20051110 | JP 2004-515329 | 20030623 |
| | ES 2279162 | T3 | 20070816 | ES 2003-3761002 | 20030623 |
| | US 2005203107 | A1 | 20050915 | US 2004-518815 | 20041220 |
| PRAI | SE 2002-1980 | A | 20020624 | | |
| | WO 2003-SE1079 | W | 20030623 | | |

OS MARPAT 140:77157

IT 145783-14-8, 4,6-Dichloro-5-nitro-2-(propylthio)pyrimidine

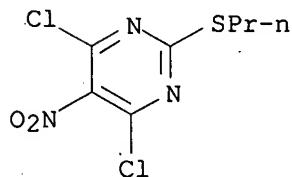
145783-15-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for
treating diseases associated with cysteine protease activity)

RN 145783-14-8 CAPLUS

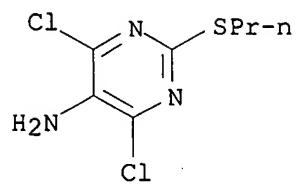
CN Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME)



RN 145783-15-9 CAPLUS

CN 5-Pyrimidinamine, 4,6-dichloro-2-(propylthio)- (CA INDEX NAME)

10/599, 377



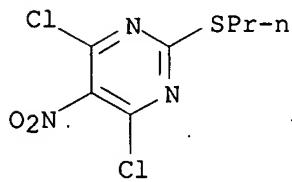
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 6 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:2865 CAPLUS
DN 140:77167
TI Preparation and new use of pyrimidine- or triazine-2-carbonitriles for treating diseases associated with cysteine protease activity
IN Bailey, Andrew; Pairaudeau, Garry; Patel, Anil; Thom, Stephen
PA Astrazeneca AB, Swed.
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

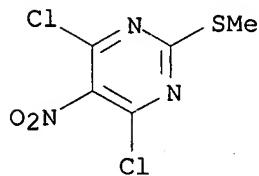
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004000819 | A1 | 20031231 | WO 2003-SE1078 | 20030623 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU | 2003243095 | A1 | 20040106 | AU 2003-243095 | 20030623 |
| EP | 1532121 | A1 | 20050525 | EP 2003-761001 | 20030623 |
| EP | 1532121 | B1 | 20070214 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| JP | 2005533803 | T | 20051110 | JP 2004-515328 | 20030623 |
| AT | 353880 | T | 20070315 | AT 2003-761001 | 20030623 |
| ES | 2280794 | T3 | 20070916 | ES 2003-3761001 | 20030623 |
| US | 2005222152 | A1 | 20051006 | US 2004-518817 | 20041220 |
| US | 7125881 | B2 | 20061024 | | |
| PRAI | SE 2002-1976 | A | 20020624 | | |
| | WO 2003-SE1078 | W | 20030623 | | |
| OS | MARPAT 140:77167 | | | | |
| IT | 145783-14-8, 4,6-Dichloro-5-nitro-2-(propylthio)pyrimidine | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (preparation and new use of pyrimidine- or triazine-2-carbonitriles for treating diseases associated with cysteine protease activity) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 7 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:807894 CAPLUS
DN 139:350576
TI Utility of 4,6-dichloro-2-(methylthio)-5-nitropyrimidine. Part 2: solution phase synthesis of tetrasubstituted purines
AU Hammarstrom, Lars G. J.; Meyer, Michael E.; Smith, David B.; Talamas, Francisco X.
CS Roche Palo Alto, Palo Alto, CA, 94304, USA
SO Tetrahedron Letters (2003), 44(46), 8361-8363
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science B.V.
DT Journal
LA English
OS CASREACT 139:350576
IT 1979-96-0, 4,6-Dichloro-2-methylthio-5-nitropyrimidine
RL: RCT (Reactant); RACT (Reactant or reagent)
(sequential amination of, with N-methylbenzylamine and isopropylamine;
preparation of tetrasubstituted purines via solution-phase elaboration of
dichloro(methylthio)nitropyrimidine catalyzed by chromium chloride)
RN 1979-96-0 CAPLUS
CN Pyrimidine; 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)

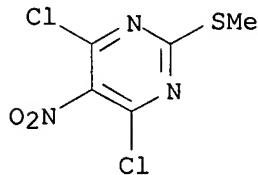


RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 8 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:777793 CAPLUS
DN 139:292251
TI Preparation of imidazopyridines as kinase inhibitors
IN Bailey, Nicholas; Bamford, Mark James; Garland, Stephen; Goodman, Krista B.; Haifeng, Cui; Hilfiker, Mark A.; Lee, Dennis; Panchal, Terence Aaron; Stavenger, Robert A.; Wilson, David Matthew; Witherington, Jason
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 187 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2003080610 | A1 | 20031002 | WO 2003-GB1205 | 20030321 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003215753 | A1 | 20031008 | AU 2003-215753 | 20030321 |
| | EP 1490367 | A1 | 20041229 | EP 2003-744904 | 20030321 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| | JP 2005526802 | T | 20050908 | JP 2003-578364 | 20030321 |
| | US 2005197328 | A1 | 20050908 | US 2004-508760 | 20040922 |
| PRAI | GB 2002-6860 | A | 20020322 | | |
| | WO 2003-GB1205 | W | 20030321 | | |
| OS | MARPAT 139:292251 | | | | |
| IT | 1979-96-0, 4,6-Dichloro-2-(methylsulfanyl)-5-nitropyrimidine | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (preparation of imidazopyridines as kinase inhibitors) | | | | |
| RN | 1979-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 9 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:22859 CAPLUS
DN 138:89818
TI Preparation of pyridine and pyrimidine N-heterocyclic p38 kinase inhibitors for treating TNF- α mediated disorders
IN Ahmed, Gulzar; Metzger, Axel; Wroblewski, Stephen T.; Henderson, Ian; Wen, James; Diller, David J.; Leftheris, Katerina
PA Bristol-Myers Squibb Company, USA; Pharmacopeia, Inc.
SO PCT Int. Appl., 134 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2003002544 | A1 | 20030109 | WO 2002-US20341 | 20020626 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2451128 | A1 | 20030109 | CA 2002-2451128 | 20020626 |
| | AU 2002316421 | A1 | 20030303 | AU 2002-316421 | 20020626 |
| | US 2003139435 | A1 | 20030724 | US 2002-183179 | 20020626 |
| | EP 1406875 | A1 | 20040414 | EP 2002-746724 | 20020626 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2004535447 | T | 20041125 | JP 2003-508925 | 20020626 |
| | HU 200401711 | A2 | 20041228 | HU 2004-1711 | 20020626 |
| | US 2006276488 | A1 | 20061207 | US 2006-485075 | 20060712 |
| | US 7253174 | B2 | 20070807 | | |
| PRAI | US 2001-301020P | P | 20010626 | | |
| | US 2002-183179 | A1 | 20020626 | | |
| | WO 2002-US20341 | W | 20020626 | | |

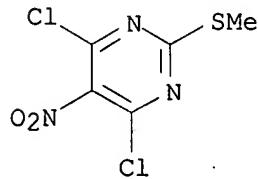
OS MARPAT 138:89818

IT 1979-96-0P, 4,6-Dichloro-2-methylsulfanyl-5-nitropyrimidine
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyridine and pyrimidine N-heterocyclic p38 kinase inhibitors for treating TNF- α mediated disorders)

RN 1979-96-0 CAPLUS

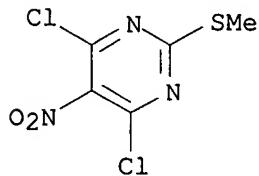
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 10 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:788564 CAPLUS
DN 138:55795
TI Utility of 4,6-dichloro-2-(methylthio)-5-nitropyrimidine. An efficient solid-phase synthesis of olomoucine
AU Hammarstrom, Lars G. J.; Smith, David B.; Talamas, Francisco X.; Labadie, Sharada S.; Krauss, Nancy E.
CS Inflammatory and Viral Diseases Unit, Roche Bioscience, Palo Alto, CA, 94304-1397, USA
SO Tetrahedron Letters (2002), 43(45), 8071-8073
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 138:55795
IT 1979-96-0, 4,6-Dichloro-2-(methylthio)-5-nitropyrimidine
RL: RCT (Reactant); RACT (Reactant or reagent)
(solid-phase synthesis of olomoucine from 4,6-Dichloro-2-(methylthio)-5-nitropyrimidine)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)

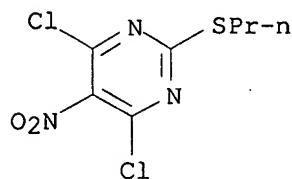


RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 11 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:368479 CAPLUS
DN 136:369722
TI Preparation and use of 1,2,3-triazolo[4,5-d]pyrimidines as P2T receptor ligands
IN Guile, Simon; Martin, Barrie
PA Astrazeneca AB, Swed.
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2002038571 | A1 | 20020516 | WO 2001-SE2472 | 20011107 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 200212941 | A | 20020521 | AU 2002-12941 | 20011107 |
| | EP 1335918 | A1 | 20030820 | EP 2001-981286 | 20011107 |
| | EP 1335918 | B1 | 20060913 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2004513173 | T | 20040430 | JP 2002-541103 | 20011107 |
| | AT 339420 | T | 20061015 | AT 2001-981286 | 20011107 |
| | ES 2271083 | T3 | 20070416 | ES 2001-1981286 | 20011107 |
| | US 2004029899 | A1 | 20040212 | US 2003-399748 | 20030421 |
| | US 6844348 | B2 | 20050118 | | |
| | HK 1056361 | A1 | 20060105 | HK 2003-108712 | 20031128 |
| | US 2005143399 | A1 | 20050630 | US 2004-8895 | 20041210 |
| PRAI | SE 2000-4098 | A | 20001109 | | |
| | WO 2001-SE2472 | W | 20011107 | | |
| | US 2003-399748 | A3 | 20030421 | | |
| OS | MARPAT 136:369722 | | | | |
| IT | 145783-14-8, 4,6-Dichloro-5-nitro-2-propylthiopyrimidine | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (reactant; preparation and use of 1,2,3-triazolo[4,5-d]pyrimidines as P2T receptor ligands) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 12 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:368478 CAPLUS
DN 136:369721
TI Preparation and use of 1,2,3-triazolo[4,5-d]pyrimidines as P2T receptor ligands

IN Brown, Roger; Guile, Simon; Pairaudeau, Garry; Springthorpe, Brian
PA Astrazeneca AB, Swed.

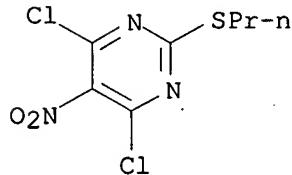
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

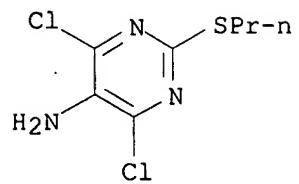
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2002038570 | A1 | 20020516 | WO 2001-SE2471 | 20011107 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 200214467 | A | 20020521 | AU 2002-14467 | 20011107 |
| | EP 1335919 | A1 | 20030820 | EP 2001-983011 | 20011107 |
| | EP 1335919 | B1 | 20061115 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2004513172 | T | 20040430 | JP 2002-541102 | 20011107 |
| | AT 345343 | T | 20061215 | AT 2001-983011 | 20011107 |
| | ES 2274908 | T3 | 20070601 | ES 2001-1983011 | 20011107 |
| | US 2004023988 | A1 | 20040205 | US 2003-415248 | 20030424 |
| | US 7034032 | B2 | 20060425 | | |
| | HK 1056362 | A1 | 20070608 | HK 2003-108714 | 20031128 |
| PRAI | SE 2000-4099 | A | 20001109 | | |
| | WO 2001-SE2471 | W | 20011107 | | |
| OS | MARPAT 136:369721 | | | | |
| IT | 145783-14-8 145783-15-9, 4,6-Dichloro-2-(propylthio)pyrimidin-5-amine | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (reactant; preparation and use of 1,2,3-triazolo[4,5-d]pyrimidines as P2T receptor ligands) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



RN 145783-15-9 CAPLUS

CN 5-Pyrimidinamine, 4,6-dichloro-2-(propylthio)- (CA INDEX NAME)

10/599, 377



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 13 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:886126 CAPLUS

DN 136:6298

TI Preparation of Novel triazolo pyrimidine compounds as pharmaceuticals

IN Larsson, Ulf; Magnusson, Mattias; Musil, Tibor; Palmgren, Andreas

PA Astrazeneca AB, Swed.

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | WO 2001092263 | A1 | 20011206 | WO 2001-SE1241 | 20010531 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA | 2408914 | A1 | 20011206 | CA 2001-2408914 | 20010531 |
| EP | 1299390 | A1 | 20030409 | EP 2001-937111 | 20010531 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR | 2001011319 | A | 20030603 | BR 2001-11319 | 20010531 |
| JP | 2003535093 | T | 20031125 | JP 2002-500876 | 20010531 |
| HU | 200302345 | A2 | 20031128 | HU 2003-2345 | 20010531 |
| EE | 200200669 | A | 20040615 | EE 2002-669 | 20010531 |
| NZ | 522637 | A | 20040924 | NZ 2001-522637 | 20010531 |
| CN | 1680340 | A | 20051012 | CN 2005-10059452 | 20010531 |
| AU | 2001262876 | B2 | 20070301 | AU 2001-262876 | 20010531 |
| RU | 2295526 | C2 | 20070320 | RU 2002-135596 | 20010531 |
| US | 2003148888 | A1 | 20030807 | US 2002-275560 | 20021107 |
| US | 7067663 | B2 | 20060627 | | |
| ZA | 2002009068 | A | 20031202 | ZA 2002-9068 | 20021107 |
| IN | 2002MN01610 | A | 20041211 | IN 2002-MN1610 | 20021114 |
| NO | 2002005719 | A | 20030203 | NO 2002-5719 | 20021128 |
| MX | 2002PA11793 | A | 20030410 | MX 2002-PA11793 | 20021128 |
| BG | 107333 | A | 20030731 | BG 2002-107333 | 20021128 |
| US | 2006041132 | A1 | 20060223 | US 2005-255838 | 20051024 |
| IN | 2005MN01389 | A | 20070615 | IN 2005-MN1389 | 20051213 |
| US | 2007049755 | A1 | 20070301 | US 2006-591464 | 20061102 |
| AU | 2007200776 | A1 | 20070315 | AU 2007-200776 | 20070216 |
| PRAI | GB 2000-13488 | A | 20000602 | | |
| | SE 2000-2102 | A | 20000606 | | |
| | AU 2001-262876 | A3 | 20010531 | | |
| | CN 2001-810564 | A3 | 20010531 | | |
| | WO 2001-SE1241 | W | 20010531 | | |
| | US 2002-275560 | A1 | 20021107 | | |
| | IN 2002-MN1610 | A3 | 20021114 | | |
| | US 2005-255838 | B1 | 20051024 | | |
| OS | CASREACT 136:6298; MARPAT 136:6298 | | | | |
| IT | 376608-73-OP | | | | |

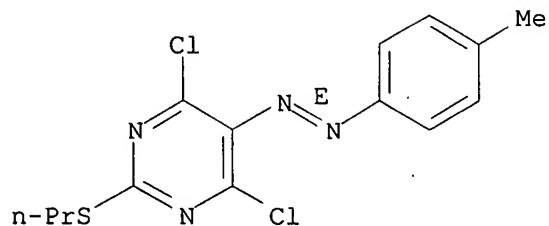
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of novel triazolo pyrimidine compds. as pharmaceuticals)

RN 376608-73-0 CAPLUS

CN Pyrimidine, 4,6-dichloro-5-[(1E)-(4-methylphenyl)azo]-2-(propylthio)-(9CI) (CA INDEX NAME)

10/599, 377

Double bond geometry as shown.

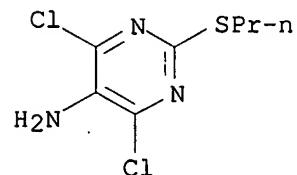


IT 145783-15-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of novel triazolo pyrimidine compds. as pharmaceuticals)

RN 145783-15-9 CAPLUS

CN 5-Pyrimidinamine, 4,6-dichloro-2-(propylthio)- (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

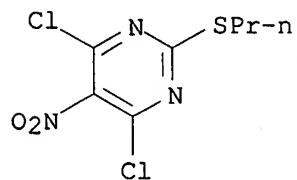
10/599, 377

L4 ANSWER 14 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:886124 CAPLUS
DN 136:11222
TI Preparation of crystalline and amorphous forms of a triazolo(4,5-d)pyrimidine derivative
IN Bohlin, Martin; Cosgrove, Steve; Lassen, Bo
PA Astrazeneca Ab, Swed.
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | WO 2001092262 | A1 | 20011206 | WO 2001-SE1239 | 20010531 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA | 2408596 | A1 | 20011206 | CA 2001-2408596 | 20010531 |
| EP | 1289992 | A1 | 20030312 | EP 2001-937109 | 20010531 |
| EP | 1289992 | B1 | 20060315 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR | 2001011328 | A | 20030610 | BR 2001-11328 | 20010531 |
| CN | 1432018 | A | 20030723 | CN 2001-810582 | 20010531 |
| HU | 200302284 | A2 | 20031028 | HU 2003-2284 | 20010531 |
| HU | 200302284 | A3 | 20070529 | | |
| JP | 2003535092 | T | 20031125 | JP 2002-500875 | 20010531 |
| EE | 200200665 | A | 20040615 | EE 2002-665 | 20010531 |
| NZ | 522638 | A | 20040625 | NZ 2001-522638 | 20010531 |
| EP | 1493745 | A1 | 20050105 | EP 2004-15299 | 20010531 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| AT | 320430 | T | 20060415 | AT 2001-937109 | 20010531 |
| PT | 1289992 | T | 20060731 | PT 2001-937109 | 20010531 |
| CN | 1817883 | A | 20060816 | CN 2006-10002509 | 20010531 |
| ES | 2259031 | T3 | 20060916 | ES 2001-1937109 | 20010531 |
| AU | 2001262874 | B2 | 20070322 | AU 2001-262874 | 20010531 |
| IN | 2002MN01599 | A | 20041211 | IN 2002-MN1599 | 20021112 |
| ZA | 2002009324 | A | 20040216 | ZA 2002-9324 | 20021115 |
| MX | 2002PA11795 | A | 20030410 | MX 2002-PA11795 | 20021128 |
| BG | 107331 | A | 20030731 | BG 2002-107331 | 20021128 |
| NO | 2002005756 | A | 20030124 | NO 2002-5756 | 20021129 |
| NO | 323780 | B1 | 20070702 | | |
| US | 2003181469 | A1 | 20030925 | US 2002-296990 | 20021202 |
| HK | 1052347 | A1 | 20060908 | HK 2003-104536 | 20030624 |
| US | 2007173518 | A1 | 20070726 | US 2005-240801 | 20051003 |
| US | 7265124 | B2 | 20070904 | | |
| AU | 2007200958 | A1 | 20070329 | AU 2007-200958 | 20070305 |
| NO | 2007001547 | A | 20030124 | NO 2007-1547 | 20070323 |
| PRAI | GB 2000-13407 | A | 20000602 | | |
| AU | 2001-262874 | A3 | 20010531 | | |
| CN | 2001-810582 | A3 | 20010531 | | |
| EP | 2001-937109 | A3 | 20010531 | | |
| WO | 2001-SE1239 | W | 20010531 | | |
| US | 2002-296990 | B1 | 20021202 | | |
| IT | 145783-14-8 | | | | |

10/599,377

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of crystalline and amorphous forms of triazolopyrimidine
derivative)
RN 145783-14-8 CAPLUS
CN Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME)

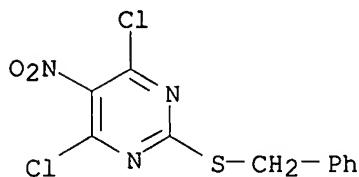


RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 15 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:597992 CAPLUS
DN 135:180778
TI Preparation of thiazolopyrimidine, pyrazolopyrimidine, triazolopyrimidine and purine compounds as modulators of chemokine receptor activity
IN Bonnert, Roger; Hunt, Fraser; Willis, Paul
PA Astrazeneca Ab, Swed.
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2001058906 | A1 | 20010816 | WO 2001-SE246 | 20010207 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | GB 2359079 | A | 20010815 | GB 2000-3022 | 20000211 |
| | GB 2359080 | A | 20010815 | GB 2000-3023 | 20000211 |
| | EP 1257555 | A1 | 20021120 | EP 2001-904731 | 20010207 |
| | EP 1257555 | B1 | 20031203 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2003522191 | T | 20030722 | JP 2001-558055 | 20010207 |
| | AT 255584 | T | 20031215 | AT 2001-904731 | 20010207 |
| PRAI | GB 2000-3022 | A | 20000211 | | |
| | GB 2000-3023 | A | 20000211 | | |
| | WO 2001-SE246 | W | 20010207 | | |
| OS | MARPAT 135:180778 | | | | |
| IT | 354582-77-7P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of thiazolopyrimidine, pyrazolopyrimidine, triazolopyrimidine
and purine compds. as modulators of chemokine receptor activity) | | | | |
| RN | 354582-77-7 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-[(phenylmethyl)thio]- (9CI) (CA INDEX
NAME) | | | | |

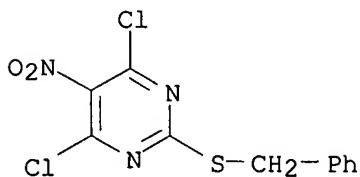


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 16 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:597989 CAPLUS
DN 135:166840
TI Preparation of pyrimidine compounds as modulators of chemokine receptor activity
IN Bonnert, Roger; Cage, Peter; Hunt, Fraser; Walters, Lain; Willis, Paul
PA Astrazeneca Ab, Swed.
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|--------|----------|-----------------|----------|
| PI | WO 2001058902 | A1 | 20010816 | WO 2001-SE245 | 20010207 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | GB 2359078 | A | 20010815 | GB 2000-3019 | 20000211 |
| | EP 1265899 | A1 | 20021218 | EP 2001-902950 | 20010207 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2003522189 | T | 20030722 | JP 2001-558051 | 20010207 |
| | US 2003040523 | A1 | 20030227 | US 2002-203584 | 20020809 |
| | US 6958344 | B2 | 20051025 | | |
| | US 2005234077 | A1 | 20051020 | US 2005-36682 | 20050114 |
| PRAI | GB 2000-3019 | A | 20000211 | | |
| | WO 2001-SE245 | W | 20010207 | | |
| | US 2002-203584 | A1 | 20020809 | | |
| OS | MARPAT 135:166840 | | | | |
| IT | 354582-77-7P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of pyrimidine compds. as modulators of chemokine receptor
activity) | | | | |
| RN | 354582-77-7 | CAPLUS | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-[(phenylmethyl)thio]- (9CI) (CA INDEX
NAME) | | | | |

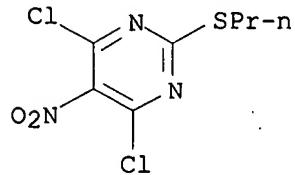


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 17 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:380602 CAPLUS
DN 134:353481
TI Preparation of nucleosides as P2T agonist-antagonist purinoceptors
IN Hardern, David; Ingall, Anthony; Willis, Paul
PA Astrazeneca AB, Swed.
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2001036438 | A1 | 20010525 | WO 2000-SE2230 | 20001114 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | EP 1232172 | A1 | 20020821 | EP 2000-980179 | 20001114 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2003514827 | T | 20030422 | JP 2001-538927 | 20001114 |
| PRAI | SE 1999-4128 | A | 19991115 | | |
| | WO 2000-SE2230 | W | 20001114 | | |
| OS | MARPAT 134:353481 | | | | |
| IT | 145783-14-8 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of nucleosides as P2T agonist-antagonist purinoceptors) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |

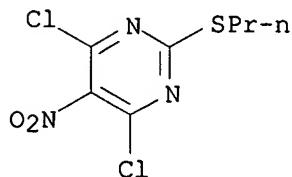


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 18 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:380587 CAPLUS
DN 134:367140
TI Preparation of 1,2,3-triazolo[4,5-d]pyrimidin-3-ylcyclopentane-1,2-diols as P2T receptor antagonists.
IN Guile, Simon; Springthorpe, Brian
PA Astrazeneca AB, Swed.
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--------|----------|-----------------|----------|
| PI | WO 2001036421 | A1 | 20010525 | WO 2000-SE2229 | 20001114 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | EP 1232156 | A1 | 20020821 | EP 2000-976525 | 20001114 |
| | EP 1232156 | B1 | 20030604 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2003514819 | T | 20030422 | JP 2001-538910 | 20001114 |
| | AT 242246 | T | 20030615 | AT 2000-976525 | 20001114 |
| | US 6713483 | B1 | 20040330 | US 2002-130194 | 20020513 |
| PRAI | SE 1999-4129 | A | 19991115 | | |
| | WO 2000-SE2229 | W | 20001114 | | |
| OS | MARPAT 134:367140 | | | | |
| IT | 145783-14-8 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 1,2,3-triazolo[4,5-d]pyrimidin-3-ylcyclopentane-1,2-diols as P2T receptor antagonists) | | | | |
| RN | 145783-14-8 | CAPLUS | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 19 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:254880 CAPLUS

DN 134:280856

TI Condensed heterocyclic compounds inhibiting macrophage migration inhibitory factor (MIF), method for their preparation and their use for drugs

IN Sugihara, Yoshihiro; Horiguchi, Takashi; Maezaki, Hironobu; Kimura, Atsuhide

PA Takeda Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 60 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 2001097979 | A | 20010410 | JP 2000-233157 | 20000728 |
| PRAI | JP 1999-214395 | A | 19990728 | | |

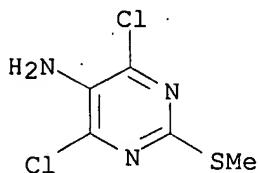
OS MARPAT 134:280856

IT 333388-03-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of condensed heterocyclic compds. inhibiting macrophage migration inhibitory factor (MIF) as drugs)

RN 333388-03-7 CAPLUS

CN 5-Pyrimidinamine, 4,6-dichloro-2-(methylthio)- (9CI) (CA INDEX NAME)



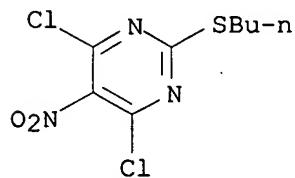
L4 ANSWER 20 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2000:401831 CAPLUS
 DN 133:43534
 TI Novel triazolo[4,5-d]pyrimidine compounds
 IN Guile, Simon; Hardern, David; Ingall, Anthony; Springthorpe, Brian;
 Willis, Paul
 PA AstraZeneca UK Limited, UK; AstraZeneca AB
 SO PCT Int. Appl., 59 pp.
 CODEN: PIXXD2

DT Patent
 LA English

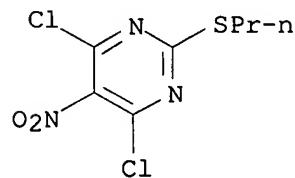
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-------------------|----------|
| PI | WO 2000034283 | A1 | 20000615 | WO 1999-SE2256 | 19991202 |
| | W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | TW 229674 | B | 20050321 | TW 1999-88120241 | 19991119 |
| | CA 2351709 | A1 | 20000615 | CA 1999-2351709 | 19991202 |
| | BR 9915883 | A | 20010821 | BR 1999-15883 | 19991202 |
| | EP 1135391 | A1 | 20010926 | EP 1999-963796 | 19991202 |
| | EP 1135391 | B1 | 20040317 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| | TR 200101567 | T2 | 20011221 | TR 2001-200101567 | 19991202 |
| | HU 200105081 | A2 | 20020529 | HU 2001-5081 | 19991202 |
| | JP 2002531567 | T | 20020924 | JP 2000-586728 | 19991202 |
| | AU 766618 | B2 | 20031023 | AU 2000-20165 | 19991202 |
| | NZ 511778 | A | 20031031 | NZ 1999-511778 | 19991202 |
| | CN 1128801 | B | 20031126 | CN 1999-815926 | 19991202 |
| | EP 1386917 | A1 | 20040204 | EP 2003-25535 | 19991202 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, CY | | | | |
| | EP 1386921 | A1 | 20040204 | EP 2003-25536 | 19991202 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, CY | | | | |
| | EP 1386909 | A1 | 20040204 | EP 2003-25537 | 19991202 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, LT, LV, FI, CY | | | | |
| | AT 261970 | T | 20040415 | AT 1999-963796 | 19991202 |
| | PT 1135391 | T | 20040730 | PT 1999-963796 | 19991202 |
| | ES 2216623 | T3 | 20041016 | ES 1999-963796 | 19991202 |
| | CZ 295234 | B6 | 20050615 | CZ 2001-1962 | 19991202 |
| | US 6525060 | B1 | 20030225 | US 2000-508195 | 20000308 |
| | ZA 2001004094 | A | 20020819 | ZA 2001-4094 | 20010518 |
| | IN 2001MN00577 | A | 20050304 | IN 2001-MN577 | 20010522 |
| | MX 2001PA05531 | A | 20000827 | MX 2001-PA5531 | 20010601 |
| | NO 2001002725 | A | 20010731 | NO 2001-2725 | 20010601 |
| | NO 319806 | B1 | 20050919 | | |
| | HK 1039933 | A1 | 20041008 | HK 2002-101198 | 20020219 |
| | US 2003144305 | A1 | 20030731 | US 2002-323655 | 20021220 |
| | US 6974868 | B2 | 20051213 | | |
| | US 2006025590 | A1 | 20060202 | US 2005-230493 | 20050921 |
| | US 7250419 | B2 | 20070731 | | |
| | JP 2007084551 | A | 20070405 | JP 2006-283455 | 20061018 |
| | KR 2007007971 | A | 20070116 | KR 2006-727016 | 20061222 |
| PRAI | SE 1998-4211 | A | 19981204 | | |

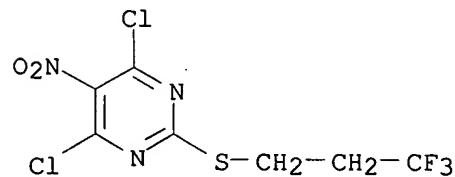
SE 1999-1271 A 19990409
 EP 1999-963796 A3 19991202
 JP 2000-586728 A3 19991202
 WO 1999-SE2256 W 19991202
 US 2000-508195 A1 20000308
 US 2002-323655 A1 20021220
 KR 2006-715291 A3 20060728
 OS MARPAT 133:43534
 IT 39067-32-8 145783-14-8 187668-44-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (triazolo[4,5-d]pyrimidinylcyclopentanepolyols as platelet aggregation
 inhibitors)
 RN 39067-32-8 CAPLUS
 CN Pyrimidine, 2-(butylthio)-4,6-dichloro-5-nitro- (9CI) (CA INDEX NAME)



RN 145783-14-8 CAPLUS
 CN Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME)

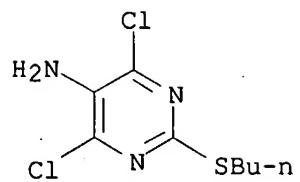


RN 187668-44-6 CAPLUS
 CN Pyrimidine, 4,6-dichloro-5-nitro-2-[(3,3,3-trifluoropropyl)thio]- (9CI)
 (CA INDEX NAME)



IT 274693-56-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (triazolo[4,5-d]pyrimidinylcyclopentanepolyols as platelet aggregation
 inhibitors)
 RN 274693-56-0 CAPLUS
 CN 5-Pyrimidinamine, 2-(butylthio)-4,6-dichloro- (9CI) (CA INDEX NAME)

10/599, 377

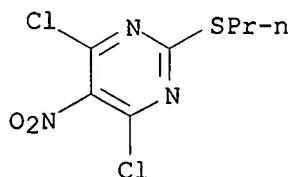


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599,377

L4 ANSWER 21 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:68457 CAPLUS
DN 132:122859
TI Preparation of triazolo[4,5-d]pyrimidine carbocyclic nucleosides as receptor antagonists
IN Guile, Simon; Springthorpe, Brian
PA Astra Pharmaceuticals Ltd., UK; Astra Aktiebolag
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2000004021 | A1 | 20000127 | WO 1999-SE1277 | 19990715 |
| | W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9955398 | A1 | 20000207 | AU 1999-55398 | 19990715 |
| | EP 1097153 | A1 | 20010509 | EP 1999-941925 | 19990715 |
| | EP 1097153 | B1 | 20031001 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| | JP 2003519080 | T | 20030617 | JP 2000-560127 | 19990715 |
| | AT 251162 | T | 20031015 | AT 1999-941925 | 19990715 |
| PRAI | SE 1998-2574 | A | 19980717 | | |
| | WO 1999-SE1277 | W | 19990715 | | |
| OS | MARPAT 132:122859 | | | | |
| IT | 145783-14-8 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of triazolo[4,5-d]pyrimidine carbocyclic nucleosides as receptor antagonists) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |

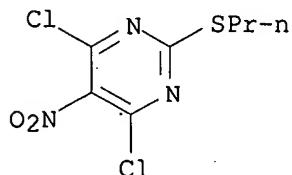


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 22 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:529148 CAPLUS
DN 131:184960
TI Preparation of novel triazolo[4,5-d]pyrimidine compounds as P2T-receptor antagonists for treatment of myocardial infarction or unstable angina
IN Brown, Roger; Pairaudeau, Garry; Springthorpe, Brian; Thom, Stephen; Willis, Paul
PA Astra Pharmaceuticals Ltd., UK; Astra Aktiebolag
SO PCT Int. Appl., 92 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-------------------|----------|
| PI | WO 9941254 | A1 | 19990819 | WO 1999-SE154 | 19990205 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | ZA 9900942 | A | 19990817 | ZA 1999-942 | 19990205 |
| | CA 2316264 | A1 | 19990819 | CA 1999-2316264 | 19990205 |
| | AU 9926500 | A | 19990830 | AU 1999-26500 | 19990205 |
| | BR 9907934 | A | 20001024 | BR 1999-7934 | 19990205 |
| | EP 1056749 | A1 | 20001206 | EP 1999-906644 | 19990205 |
| | EP 1056749 | B1 | 20030219 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| | TR 200002380 | T2 | 20010321 | TR 2000-200002380 | 19990205 |
| | HU 200100328 | A2 | 20010928 | HU 2001-328 | 19990205 |
| | JP 2002503663 | T | 20020205 | JP 2000-531447 | 19990205 |
| | NZ 505250 | A | 20021025 | NZ 1999-505250 | 19990205 |
| | AT 232866 | T | 20030315 | AT 1999-906644 | 19990205 |
| | US 6369064 | B1 | 20020409 | US 1999-269330 | 19990325 |
| | IN 2000MN00167 | A | 20050715 | IN 2000-MN167 | 20000707 |
| | MX 2000PA07634 | A | 20030910 | MX 2000-PA7634 | 20000804 |
| | NO 2000004089 | A | 20001016 | NO 2000-4089 | 20000816 |
| PRAI | SE 1998-458 | A | 19980217 | | |
| | SE 1998-3669 | A | 19981026 | | |
| | WO 1999-SE154 | W | 19990205 | | |
| OS | MARPAT 131:184960 | | | | |
| IT | 145783-14-8 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; preparation of novel triazolo[4,5-d]pyrimidine compds. as P2T-receptor antagonists for treatment of myocardial infarction or unstable angina) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



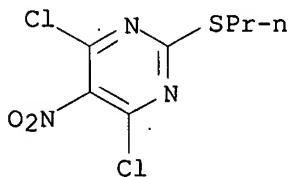
10/599, 377

ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 23 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:96244 CAPLUS
DN 130:153658
TI Preparation and P2T antagonist activity of triazolo[4,5-d]pyrimidine derivatives
IN Brown, Roger; Pairaudeau, Garry
PA Astra Pharmaceuticals Ltd., UK; Astra Aktiebolag
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-------------------|----------|
| PI | WO 9905144 | A1 | 19990204 | WO 1998-SE1394 | 19980715 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2296426 | A1 | 19990204 | CA 1998-2296426 | 19980715 |
| | AU 9883707 | A | 19990216 | AU 1998-83707 | 19980715 |
| | EP 998475 | A1 | 20000510 | EP 1998-934108 | 19980715 |
| | EP 998475 | B1 | 20020417 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| | TR 200000152 | T2 | 20000721 | TR 2000-200000152 | 19980715 |
| | BR 9811028 | A | 20000801 | BR 1998-11028 | 19980715 |
| | EE 200000048 | A | 20001016 | EE 2000-48 | 19980715 |
| | HU 200003826 | A2 | 20010428 | HU 2000-3826 | 19980715 |
| | JP 2001510843 | T | 20010807 | JP 2000-504140 | 19980715 |
| | AT 216390 | T | 20020515 | AT 1998-934108 | 19980715 |
| | US 6166022 | A | 20001226 | US 1999-155567 | 19990930 |
| | MX 200000683 | A | 20001109 | MX 2000-683 | 20000119 |
| | NO 2000000313 | A | 20000322 | NO 2000-313 | 20000121 |
| PRAI | SE 1997-2774 | A | 19970722 | | |
| | WO 1998-SE1394 | W | 19980715 | | |
| OS | MARPAT 130:153658 | | | | |
| IT | 145783-14-8 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation and P2T antagonist activity of triazolo[4,5-d]pyrimidine derivs.) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 24 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1999:96243 CAPLUS

DN 130:168386

TI Preparation of triazolopyrimidine derivatives as P2T receptor antagonists

IN Guile, Simon; Ingall, Anthony; Springthorpe, Brian; Willis, Paul

PA Astra Pharmaceuticals Ltd., UK; Astra Aktiebolag

SO PCT Int. Appl., 144 pp.

CODEN: PIXXD2

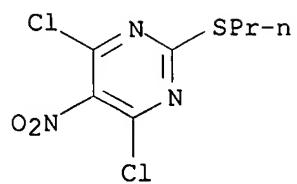
DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-------------------|----------|
| PI | WO 9905143 | A1 | 19990204 | WO 1998-SE1393 | 19980715 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | ZA 9806050 | A | 19990406 | ZA 1998-6050 | 19980708 |
| | TW 530058 | B | 20030501 | TW 1998-87111177 | 19980710 |
| | CA 2296665 | A1 | 19990204 | CA 1998-2296665 | 19980715 |
| | AU 9883706 | A | 19990216 | AU 1998-83706 | 19980715 |
| | AU 745381 | B2 | 20020321 | | |
| | EP 996621 | A1 | 20000503 | EP 1998-934107 | 19980715 |
| | EP 996621 | B1 | 20031001 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| | TR 200000197 | T2 | 20000621 | TR 2000-200000197 | 19980715 |
| | BR 9810802 | A | 20000912 | BR 1998-10802 | 19980715 |
| | EE 200000044 | A | 20001016 | EE 2000-44 | 19980715 |
| | EE 4193 | B1 | 20031215 | | |
| | HU 200004333 | A2 | 20010428 | HU 2000-4333 | 19980715 |
| | JP 2001510842 | T | 20010807 | JP 2000-504139 | 19980715 |
| | NZ 502381 | A | 20011221 | NZ 1998-502381 | 19980715 |
| | AT 251161 | T | 20031015 | AT 1998-934107 | 19980715 |
| | PT 996621 | T | 20040227 | PT 1998-934107 | 19980715 |
| | RU 2225407 | C2 | 20040310 | RU 2000-104113 | 19980715 |
| | ES 2207846 | T3 | 20040601 | ES 1998-934107 | 19980715 |
| | SK 284199 | B6 | 20041005 | SK 1999-1881 | 19980715 |
| | US 6251910 | B1 | 20010626 | US 1998-155023 | 19980921 |
| | MX 200000685 | A | 20001109 | MX 2000-685 | 20000119 |
| | NO 2000000312 | A | 20000321 | NO 2000-312 | 20000121 |
| | NO 315854 | B1 | 20031103 | | |
| | HK 1026421 | A1 | 20040528 | HK 2000-105612 | 20000906 |
| PRAI | SE 1997-2773 | A | 19970722 | | |
| | SE 1997-2775 | A | 19970722 | | |
| | WO 1998-SE1393 | W | 19980715 | | |
| OS | MARPAT 130:168386 | | | | |
| IT | 145783-14-8 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of triazolopyrimidine derivs. as P2T receptor antagonists) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |

10/599, 377



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 25 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1999:96242 CAPLUS
 DN 130:153657

TI Preparation of 2,3-dihydroxy-4-triazolopyrimidinylcyclopentanecarboxamides and analogs as P2T receptor antagonists

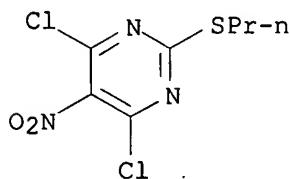
IN Hardern, David; Springthorpe, Brian
 PA Astra Pharmaceuticals Ltd., UK; Astra Aktiebolag
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

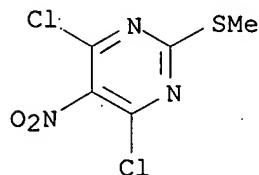
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-------------------|----------|
| PI | WO 9905142 | A1 | 19990204 | WO 1998-SE1392 | 19980715 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | BR 9811022 | A | 20000912 | BR 1998-11022 | 19980705 |
| | CA 2296648 | A1 | 19990204 | CA 1998-2296648 | 19980715 |
| | AU 9883705 | A | 19990216 | AU 1998-83705 | 19980715 |
| | EP 996620 | A1 | 20000503 | EP 1998-934106 | 19980715 |
| | EP 996620 | B1 | 20020417 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | TR 2000000151 | T2 | 20000921 | TR 2000-200000151 | 19980715 |
| | EE 200000042 | A | 20001016 | EE 2000-42 | 19980715 |
| | JP 2001510841 | T | 20010807 | JP 2000-504138 | 19980715 |
| | HU 200100202 | A2 | 20010828 | HU 2001-202 | 19980715 |
| | HU 200100202 | A3 | 20011029 | | |
| | AT 216389 | T | 20020515 | AT 1998-934106 | 19980715 |
| | US 6156756 | A | 20001205 | US 1998-155562 | 19980930 |
| | MX 200000681 | A | 20001109 | MX 2000-681 | 20000119 |
| | NO 2000000311 | A | 20000321 | NO 2000-311 | 20000121 |
| PRAI | SE 1997-2772 | A | 19970722 | | |
| | WO 1998-SE1392 | W | 19980715 | | |
| OS | MARPAT 130:153657 | | | | |
| IT | 145783-14-8P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (preparation of 2,3-dihydroxy-4-triazolopyrimidinylcyclopentanecarboxamides and analogs as P2T receptor antagonists) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

L4 ANSWER 26 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:606901 CAPLUS
DN 129:290106
TI Design, synthesis, and biological activity of novel purine and bicyclic pyrimidine factor Xa inhibitors
AU Buckman, Brad O.; Mohan, Raju; Koovakkat, Sunil; Liang, Amy; Trinh, Lan; Morrissey, Michael M.
CS Pharmaceuticals Discovery, Berlex Biosciences, Richmond, CA, 94804, USA
SO Bioorganic & Medicinal Chemistry Letters (1998), 8(16), 2235-2240
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 129:290106
IT 1979-96-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation and factor Xa-inhibiting activity of purine and bicyclic pyrimidine derivs.)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)

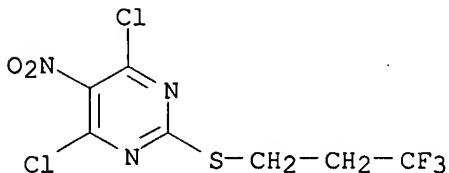


RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

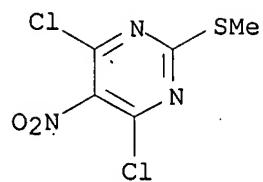
L4 ANSWER 27 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:479531 CAPLUS
DN 129:95506
TI Preparation of triazolo[4,5-d]pyrimidines for treatment of platelet aggregation disorders.
IN Bonnert, Roger; Ingall, Anthony; Springthorpe, Brian; Willis, Paul
PA Astra Pharmaceuticals Ltd., UK; Astra AB
SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9828300 | A1 | 19980702 | WO 1997-SE2091 | 19971212 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9855015 | A | 19980717 | AU 1998-55015 | 19971212 |
| | EP 946561 | A1 | 19991006 | EP 1997-951356 | 19971212 |
| | EP 946561 | B1 | 20020213 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | JP 2001507023 | T | 20010529 | JP 1998-528678 | 19971212 |
| | AT 213245 | T | 20020215 | AT 1997-951356 | 19971212 |
| | US 6297232 | B1 | 20011002 | US 1999-11992 | 19990219 |
| PRAI | SE 1996-4787 | A | 19961220 | | |
| | SE 1996-4788 | A | 19961220 | | |
| | WO 1997-SE2091 | W | 19971212 | | |
| OS | MARPAT 129:95506 | | | | |
| IT | 187668-44-6 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of triazolo[4,5-d]pyrimidines for treatment of platelet aggregation disorders) | | | | |
| RN | 187668-44-6 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-[(3,3,3-trifluoropropyl)thio]- (9CI)
(CA INDEX NAME) | | | | |



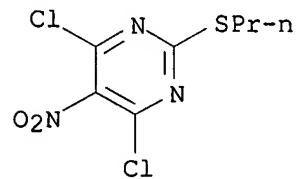
IT 1979-96-0P 145783-14-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of triazolo[4,5-d]pyrimidines for treatment of platelet aggregation disorders)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)

10/599, 377



RN 145783-14-8 CAPLUS

CN Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 28 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1998:147331 CAPLUS

DN 128:204736

TI Preparation of purine derivatives and their use as anti-coagulants
 IN Morrissey, Michael M.; Buckman, Brad; Mohan, Raju
 PA Schering Aktiengesellschaft, Germany
 SO PCT Int. Appl., 73 pp.

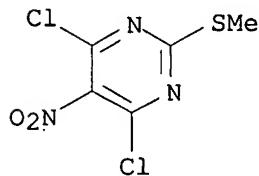
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------------|----------|-----------------|----------|
| PI | WO 9807725 | A1 | 19980226 | WO 1997-EP4445 | 19970814 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ,
VN, YU, ZW | | | | |
| | RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 5753635 | A | 19980519 | US 1996-689979 | 19960816 |
| | CA 2262876 | A1 | 19980226 | CA 1997-2262876 | 19970814 |
| | AU 9741186 | A | 19980306 | AU 1997-41186 | 19970814 |
| | AU 722631 | B2 | 20000810 | | |
| | EP 920430 | A1 | 19990609 | EP 1997-938904 | 19970814 |
| | EP 920430 | B1 | 20030924 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI | | | | |
| | CN 1228092 | A | 19990908 | CN 1997-197270 | 19970814 |
| | CN 1096461 | B | 20021218 | | |
| | HU 9902308 | A2 | 20000728 | HU 1999-2308 | 19970814 |
| | JP 2000516242 | T | 20001205 | JP 1998-510377 | 19970814 |
| | RU 2191778 | C2 | 20021027 | RU 1999-105119 | 19970814 |
| | IL 128160 | A | 20030410 | IL 1997-128160 | 19970814 |
| | AT 250606 | T | 20031015 | AT 1997-938904 | 19970814 |
| | PT 920430 | T | 20031231 | PT 1997-938904 | 19970814 |
| | ES 2206746 | T3 | 20040516 | ES 1997-938904 | 19970814 |
| | NO 9900673 | A | 19990415 | NO 1999-673 | 19990212 |
| | NO 314584 | B1 | 20030414 | | |
| | HK 1020057 | A1 | 20030829 | HK 1999-105313 | 19991118 |
| PRAI | US 1996-689979 | A | 19960816 | | |
| | WO 1997-EP4445 | W | 19970814 | | |
| OS | MARPAT | 128:204736 | | | |
| IT | 1979-96-0 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of purine derivs. for use as anti-coagulants and
antithrombotics) | | | | |
| RN | 1979-96-0 | CAPLUS | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA
INDEX NAME) | | | | |



10/599, 377

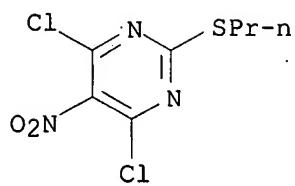
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/599, 377

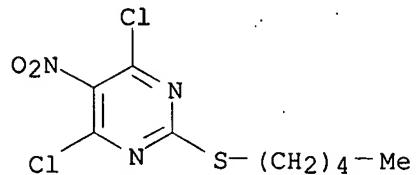
L4 ANSWER 30 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1997:204202 CAPLUS.
 DN 126:186328
 TI Preparation of triazolopyrimidine nucleosides as new inhibitors of platelet aggregation
 IN Cox, David; Ingall, Anthony; Willis, Paul
 PA Astra Pharmaceuticals Ltd., UK; Astra Aktiebolag; Cox, David; Ingall, Anthony; Willis, Paul
 SO PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | WO 9703084 | A1 | 19970130 | WO 1996-SE911 | 19960704 |
| | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA | | | | |
| | CA 2226758 | A1 | 19970130 | CA 1996-2226758 | 19960704 |
| | AU 9663751 | A | 19970210 | AU 1996-63751 | 19960704 |
| | AU 699034 | B2 | 19981119 | | |
| | EP 840740 | A1 | 19980513 | EP 1996-923160 | 19960704 |
| | EP 840740 | B1 | 20020502 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI | | | | |
| | CN 1195353 | A | 19981007 | CN 1996-196720 | 19960704 |
| | CN 1069321 | B | 20010808 | | |
| | BR 9609467 | A | 19990302 | BR 1996-9467 | 19960704 |
| | HU 9802448 | A2 | 19990528 | HU 1998-2448 | 19960704 |
| | HU 221880 | B1 | 20030228 | | |
| | JP 11508914 | T | 19990803 | JP 1997-505748 | 19960704 |
| | TW 427996 | B | 20010401 | TW 1996-85108062 | 19960704 |
| | IL 122814 | A | 20010430 | IL 1996-122814 | 19960704 |
| | RU 2174518 | C2 | 20011010 | RU 1998-102356 | 19960704 |
| | EE 3616 | B1 | 20020215 | EE 1998-26 | 19960704 |
| | PL 182680 | B1 | 20020228 | PL 1996-324396 | 19960704 |
| | AT 217010 | T | 20020515 | AT 1996-923160 | 19960704 |
| | SK 283206 | B6 | 20030304 | SK 1998-23 | 19960704 |
| | CZ 297200 | B6 | 20060913 | CZ 1998-25 | 19960704 |
| | IN 1996DE01509 | A | 20070223 | IN 1996-DE1509 | 19960709 |
| | ZA 9605905 | A | 19970113 | ZA 1996-5905 | 19960711 |
| | US 5747496 | A | 19980505 | US 1996-737005 | 19961031 |
| | NO 9800080 | A | 19980306 | NO 1998-80 | 19980108 |
| | NO 310624 | B1 | 20010730 | | |
| PRAI | GB 1995-14074 | A | 19950711 | | |
| | GB 1995-20311 | A | 19951005 | | |
| | GB 1995-22837 | A | 19951108 | | |
| | WO 1996-SE911 | W | 19960704 | | |
| OS | MARPAT 126:186328 | | | | |
| IT | 145783-14-8P 187667-47-6P 187668-44-6P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (preparation of triazolopyrimidine nucleosides as new inhibitors of platelet aggregation) | | | | |
| RN | 145783-14-8 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME) | | | | |

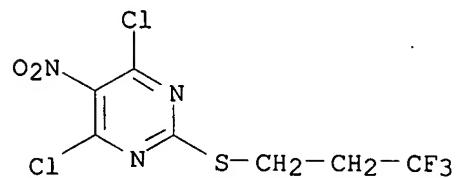
10/599, 377



RN 187667-47-6 CAPLUS
CN Pyrimidine, 4,6-dichloro-5-nitro-2-(pentylthio)- (9CI) (CA INDEX NAME)

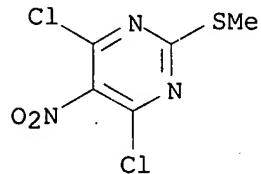


RN 187668-44-6 CAPLUS
CN Pyrimidine, 4,6-dichloro-5-nitro-2-[(3,3,3-trifluoropropyl)thio]- (9CI) (CA INDEX NAME)



10/599, 377

L4 ANSWER 31 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1995:318495 CAPLUS
DN 122:239637
TI Investigation of bis hetaryl derivatives of piperazine and its analogs. 1.
Synthesis and transformations of N,N'-bis(2-R-5-nitro-6-pyrimidinyl)piperazines and N,N'-bis(2-R-5-nitro-6-pyrimidinyl)dispirotripiperazinium dichloride
AU Makarov, V. A.; Sedov, A. L.; Nemeryuk, M. P.; Safonova, T. S.
CS Tsentr Khim. Lek. Sredstv, Moscow, 119815, Russia
SO Khimiya Geterotsiklicheskikh Soedinenii (1994), (7), 971-5
CODEN: KGSSAQ; ISSN: 0132-6244
PB Latviiskii Institut Organicheskogo Sinteza
DT Journal
LA Russian
IT 1979-96-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with piperazine)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599,377

L4 ANSWER 32 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1994:409416 CAPLUS

DN 121:9416

TI Preparation of pyrimidine derivatives as ACAT inhibitors and pharmaceutical compositions containing them

IN Yanagibashi, Kazutoshi; Mizuguchi, Kiyoshi; Onishi, Shuhei; Murakami, Kimihiro

PA Mochida Pharmaceutical Co., Ltd., Japan

SO Eur. Pat. Appl., 92 pp.

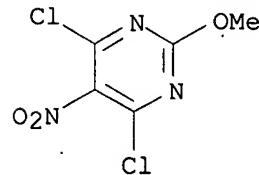
CODEN: EPXXDW

DT Patent

LA English

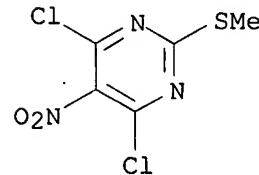
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|--------------------------|--|--|--|
| PI | EP 561175
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
JP 05320143
US 5397781
AU 9333888
AU 659279
CA 2091214 | A1
A
A
B2
A1 | 19930922
19931203
19950314
19930923
19950511
19930919 | EP 1993-102668
JP 1993-23025
US 1993-16286
AU 1993-33888
CA 1993-2091214 | 19930219
19930210
19930211
19930301
19930308 |
| PRAI | JP 1992-62380 | A | 19920318 | | |
| OS | CASREACT 121:9416; MARPAT 121:9416 | | | | |
| IT | 1200-96-0P 1979-96-0P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of cholesterol acyltransferase inhibitors) | | | | |
| RN | 1200-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-methoxy-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



RN 1979-96-0 CAPLUS

CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599, 377

L4 ANSWER 33 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1993:81338 CAPLUS

DN 118:81338

TI ATP analogs

IN Ingall, Anthony Howard; Cage, Peter Alan

PA Fisons PLC, UK

SO Eur. Pat. Appl., 19 pp.

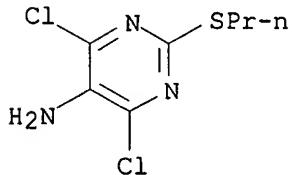
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|-----------|-----------------|----------|
| PI | EP 508687 | A1 | 19921014 | EP 1992-302927 | 19920402 |
| | EP 508687 | B1 | 19950913 | | |
| | R: PT | | | | |
| | CA 2107667 | A1 | 19921007 | CA 1992-2107667 | 19920402 |
| | WO 9217488 | A1 | 19921015 | WO 1992-GB590 | 19920402 |
| | W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MW, NO, PL, RO, RU, SD, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE | | | | |
| | AU 9214519 | A | 19921102 | AU 1992-14519 | 19920402 |
| | AU 648885 | B2 | 19940505 | | |
| | EP 579643 | A1 | 19940126 | EP 1992-907588 | 19920402 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE | | | | |
| | HU 64967 | A2 | 19940328 | HU 1993-2812 | 19920402 |
| | JP 06505987 | T | 19940707 | JP 1992-506961 | 19920402 |
| | JP 3141028 | B2 | 20010305 | | |
| | ES 2078654 | T3 | 19951216 | ES 1992-302927 | 19920402 |
| | CN 1068574 | A | 19930203 | CN 1992-103371 | 19920406 |
| | CN 1031879 | B | 19960529 | | |
| | NO 9303555 | A | 19931005 | NO 1993-3555 | 19931005 |
| | US 5654285 | A | 19970805 | US 1995-468092 | 19950606 |
| | CN 1120936 | A | 19960424 | CN 1995-109290 | 19950805 |
| PRAI | GB 1991-7236 | A | 19910406. | | |
| | GB 1991-23671 | A | 19911107 | | |
| | WO 1992-GB590 | A | 19920402 | | |
| | US 1994-129166 | B1 | 19940119 | | |
| OS | MARPAT 118:81338 | | | | |
| IT | 145783-15-9P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (preparation and reaction of, with amino(hydroxymethyl)cyclopentanediol) | | | | |
| RN | 145783-15-9 CAPLUS | | | | |
| CN | 5-Pyrimidinamine, 4,6-dichloro-2-(propylthio)- (CA INDEX NAME) | | | | |



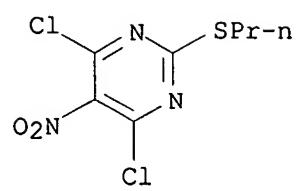
IT 145783-14-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)

RN 145783-14-8 CAPLUS

CN Pyrimidine, 4,6-dichloro-5-nitro-2-(propylthio)- (9CI) (CA INDEX NAME)

10/599, 377



10/599,377

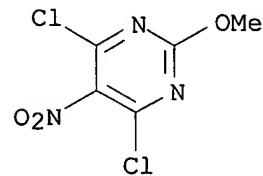
L4 ANSWER 34 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1992:214255 CAPLUS
DN 116:214255
TI Preparation of piperazinyl derivatives of purines and isosteres as hypoglycemic agents
IN Johnston, David B. R.; MacCoss, Malcolm; Marburg, Stephen; Meurer, Laura C.; Tolman, Richard L.
PA Merck and Co., Inc., USA
SO U.S., 36 pp. Cont.-in-part of U.S. Ser. No. 217,893, abandoned.
CODEN: USXXAM

DT Patent

LA English

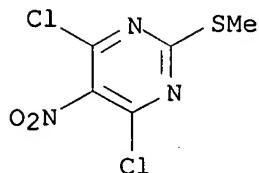
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 5057517 | A | 19911015 | US 1989-393200 | 19890814 |
| PRAI | US 1987-75362 | B2 | 19870720 | | |
| | US 1988-217893 | B2 | 19880714 | | |
| OS | MARPAT 116:214255 | | | | |
| IT | 1200-96-0P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (preparation and reaction of, in preparation of hypoglycemic agents) | | | | |
| RN | 1200-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-methoxy-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |

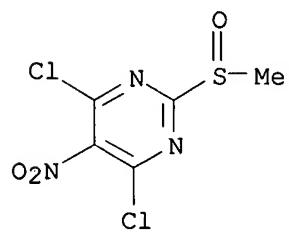


10/599, 377

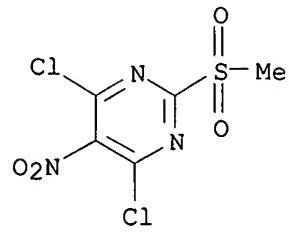
L4 ANSWER 35 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1990:423839 CAPLUS
DN 113:23839
TI The chemistry of pyrimidinethiols. III. The synthesis of some substituted pyrimidinethiols and some thiazolo[5,4-d]pyrimidines
AU Harnden, Michael R.; Hurst, Derek T.
CS Biosci. Res. Cent., Beecham Pharm. Res. Div., Great Burgh/Epsom/Surrey,
KT18 5XQ, UK
SO Australian Journal of Chemistry (1990), 43(1), 55-62
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English
OS CASREACT 113:23839
IT 1979-96-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reactions of)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



IT 127726-61-8P 127726-62-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 127726-61-8 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylsulfinyl)-5-nitro- (9CI) (CA INDEX NAME)



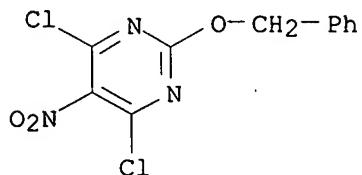
RN 127726-62-9 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylsulfonyl)-5-nitro- (9CI) (CA INDEX NAME)



10/599,377

10/599, 377

L4 ANSWER 36 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1986:19434 CAPLUS
DN 104:19434
TI Model experiments on surugatoxin synthesis. III. Synthesis of
2,4-dibenzylxy-6-ethylsulfonyl-5-nitropyrimidine
AU Hashizume, Kiyomatsu; Inoue, Shoji
CS Fac. Pharm., Meijo Univ., Nagoya, 468, Japan
SO Yakugaku Zasshi (1985), 105(4), 362-7
CODEN: YKKZAJ; ISSN: 0031-6903
DT Journal
LA Japanese
OS CASREACT 104:19434
IT 99277-51-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and benzyloxylation of)
RN 99277-51-7 CAPLUS
CN Pyrimidine, 4,6-dichloro-5-nitro-2-(phenylmethoxy)- (9CI) (CA INDEX NAME)



10/599, 377

L4 ANSWER 37 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1983:517873 CAPLUS

DN 99:117873

TI Aminonitropyrimidines as insecticides

PA Ciba-Geigy A.-G., Switz.

SO Jpn. Kokai Tokkyo Koho, 6 pp.

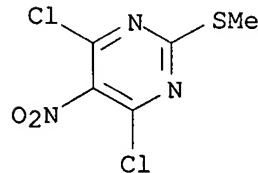
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | JP 58105903 | A | 19830624 | JP 1982-213456 | 19821207 |
| | CH 652396 | A5 | 19851115 | CH 1981-7801 | 19811207 |
| | EP 84758 | A1 | 19830803 | EP 1982-810517 | 19821201 |
| | EP 84758 | B1 | 19860212 | | |
| | R: AT, BE, DE, FR, IT, NL | | | | |
| | AT 17943 | T | 19860215 | AT 1982-810517 | 19821201 |
| | AU 8291114 | A | 19830616 | AU 1982-91114 | 19821203 |
| | ZA 8208938 | A | 19830928 | ZA 1982-8938 | 19821206 |
| PRAI | CH 1981-7801 | A | 19811207 | | |
| | EP 1982-810517 | A | 19821201 | | |
| OS | CASREACT 99:117873; MARPAT 99:117873 | | | | |
| IT | 1979-96-0 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (amination of) | | | | |
| RN | 1979-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



10/599, 377

L4 ANSWER 38 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1978:615426 CAPLUS

DN 89:215426

TI Nitropyrimidine derivatives

IN Fischer, Hanspeter

PA Ciba-Geigy A.-G., Switz.

SO Pat. Specif. (Aust.), 41 pp.

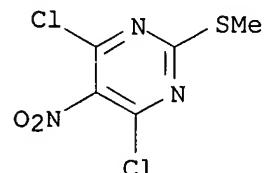
CODEN: ALXXAP

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | AU 492126 | B | 19780303 | AU 1974-68921 | 19740514 |
| PRAI | AU 1974-68921 | | 19740514 | | |
| IT | 1979-96-0 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | | |
| | (aminolysis of) | | | | |
| RN | 1979-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



10/599,377

L4 ANSWER 39 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1976:429570 CAPLUS

DN 85:29570

TI 5-Nitropyrimidines for inhibiting plant growth

PA Ciba-Geigy A.-G., Switz.

SO Austrian, 20 pp.

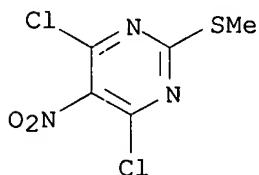
CODEN: AUXXAK

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | AT 327605 | B | 19760210 | AT 1974-3729 | 19740506 |
| | AT 7403729 | A | 19750415 | | |
| PRAI | AT 1974-3729 | A | 19740506 | | |
| IT | 1979-96-0P | | | | |
| | RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of) | | | | |
| RN | 1979-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |

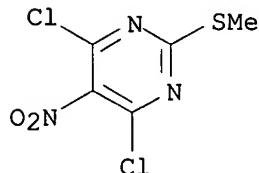


IT 1979-96-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with ethylamine)

RN 1979-96-0 CAPLUS

CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599,377

L4 ANSWER 40 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1976:74306 CAPLUS
DN 84:74306
TI 5-Nitropyrimidine derivatives and their use as plant growth regulators
IN Fischer, Hanspeter
PA Ciba-Geigy A.-G., Switz.
SO Ger. Offen., 47 pp.
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------|----------|-----------------|----------|
| PI | DE 2520381 | A1 | 19751120 | DE 1975-2520381 | 19750507 |
| | CH 595061 | A5 | 19780131 | CH 1974-6426 | 19740510 |
| | FR 2270249 | A1 | 19751205 | FR 1975-14416 | 19750507 |
| | US 4014677 | A | 19770329 | US 1975-575308 | 19750507 |
| | CA 1042890 | A1 | 19781121 | CA 1975-226551 | 19750508 |
| | IL 47256 | A | 19790131 | IL 1975-47256 | 19750508 |
| | BE 828869 | A1 | 19751110 | BE 1975-156175 | 19750509 |
| | NL 7505503 | A | 19751112 | NL 1975-5503 | 19750509 |
| | ZA 7502999 | A | 19760428 | ZA 1975-2999 | 19750509 |
| | ES 437518 | A1 | 19770101 | ES 1975-437518 | 19750509 |
| | AT 7503556 | A | 19771215 | AT 1975-3556 | 19750509 |
| | GB 1501935 | A | 19780222 | GB 1975-19641 | 19750509 |
| | JP 50155624 | A | 19751216 | JP 1975-56686 | 19750510 |
| | AU 7581055 | A | 19761118 | AU 1975-81055 | 19750512 |
| | AU 498132 | B2 | 19790215 | | |

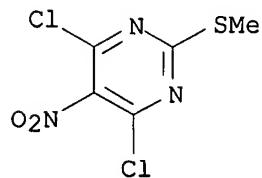
PRAI CH 1974-6426 A 19740510

IT 1979-96-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(amination of)

RN 1979-96-0 CAPLUS

CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599, 377

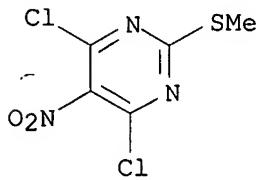
L4 ANSWER 41 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1975:443369 CAPLUS
DN 83:43369
TI Pyrimidine derivatives
IN Narr, Berthold; Roch, Josef; Mueller, Erich; Haarmann, Walter
PA Thomae, Dr. Karl, G.m.b.H., Fed. Rep. Ger.
SO Ger. Offen., 121 pp. Addn. to Ger. Offen. 2,430,644.
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--------|----------|-----------------|----------|
| PI | DE 2341925 | A1 | 19750306 | DE 1973-2341925 | 19730820 |
| | AT 7406079 | A | 19770515 | AT 1974-6079 | 19740724 |
| | AT 340933 | B | 19780110 | | |
| | NO 7402712 | A | 19750221 | NO 1974-2712 | 19740725 |
| | NO 141163 | B | 19791015 | | |
| | CS 187420 | B2 | 19790131 | CS 1974-5405 | 19740729 |
| | RO 65649 | A1 | 19810830 | RO 1974-79722 | 19740810 |
| | US 3975384 | A | 19760817 | US 1974-497459 | 19740814 |
| | DD 116831 | A5 | 19751212 | DD 1974-180558 | 19740816 |
| | HU 170230 | B | 19770428 | HU 1974-TO978 | 19740817 |
| | BE 818990 | A1 | 19750219 | BE 1974-147737 | 19740819 |
| | FI 7402436 | A | 19750221 | FI 1974-2436 | 19740819 |
| | SE 7410539 | A | 19750221 | SE 1974-10539 | 19740819 |
| | NL 7411047 | A | 19750224 | NL 1974-11047 | 19740819 |
| | DK 7404415 | A | 19750428 | DK 1974-4415 | 19740819 |
| | JP 50049288 | A | 19750501 | JP 1974-94899 | 19740819 |
| | AU 7472490 | A | 19760219 | AU 1974-72490 | 19740819 |
| | ZA 7405305 | A | 19760428 | ZA 1974-5305 | 19740819 |
| | ES 429366 | A1 | 19761016 | ES 1974-429366 | 19740819 |
| | PL 93115 | B1 | 19770530 | PL 1974-173567 | 19740819 |
| | CA 1043789 | A1 | 19781205 | CA 1974-207278 | 19740819 |
| | FR 2241305 | A1 | 19750321 | FR 1974-28597 | 19740820 |
| | GB 1449100 | A | 19760908 | GB 1974-36606 | 19740820 |
| PRAI | DE 1973-2341925 | A | 19730820 | | |
| | DE 1974-2430644 | A | 19740626 | | |
| IT | 1979-96-0 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with cyclohexylamine) | | | | |
| RN | 1979-96-0 | CAPLUS | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with sodium alcoholates)

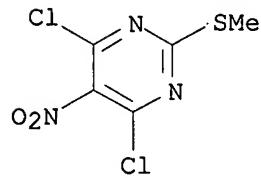
10/599,377

L4 ANSWER 42 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1975:428272 CAPLUS
DN 83:28272
TI Pyrimidine derivatives
IN Fischer, Hans Peter
PA Ciba-Geigy A.-G., Switz.
SO Patentschrift (Switz.), 6 pp. Division of Swiss 558,137 (See Ger. 2,223,644, CA 78;43506x).
CODEN: SWXXAS

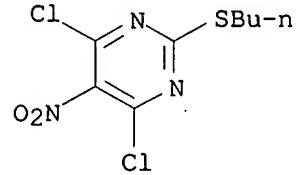
DT Patent
LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | CH 560197 | A5 | 19750327 | CH 1973-17036 | 19710517 |
| PRAI | CH 1973-17036 | A | 19710517 | | |
| IT | 1979-96-0 | | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent)
(amination of) | | | | |
| RN | 1979-96-0 CAPLUS | | | | |
| CN | Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME) | | | | |



IT 39067-32-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and amination of)
RN 39067-32-8 CAPLUS
CN Pyrimidine, 2-(butylthio)-4,6-dichloro-5-nitro- (9CI) (CA INDEX NAME)



10/599,377

L4 ANSWER 43 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN.
AN 1975:27230 CAPLUS
DN 82:27230
TI Nitropyrimidine plant growth regulators [herbicides]
IN Fischer, Hanspeter
PA Ciba-Geigy A.-G.
SO Ger. Offen., 44 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

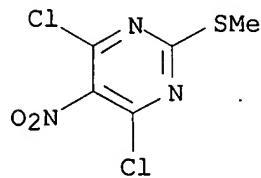
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | DE 2356644 | A1 | 19740522 | DE 1973-2356644 | 19731113 |
| | CH 574206 | A5 | 19760415 | CH 1972-16728 | 19721116 |
| | US 3948914 | A | 19760406 | US 1973-415209 | 19731112 |
| | CA 1011960 | A1 | 19770614 | CA 1973-185680 | 19731113 |
| | BE 807321 | A1 | 19740514 | BE 1973-137749 | 19731114 |
| | FR 2206909 | A1 | 19740614 | FR 1973-40409 | 19731114 |
| | NL 7315695 | A | 19740520 | NL 1973-15695 | 19731115 |
| | ZA 7308750 | A | 19740731 | ZA 1973-8750 | 19731115 |
| | JP 49081538 | A | 19740806 | JP 1973-128692 | 19731115 |
| | IT 1001780 | B | 19760430 | IT 1973-31377 | 19731115 |
| | GB 1448851 | A | 19760908 | GB 1973-53090 | 19731115 |
| | GB 1448852 | A | 19760908 | GB 1975-8912 | 19731115 |
| | US 4055411 | A | 19771025 | US 1975-641792 | 19751218 |
| PRAI | CH 1972-16728 | A | 19721116 | | |
| | US 1973-415209 | A3 | 19731112 | | |

IT 1979-96-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with alkylamine)

RN 1979-96-0 CAPLUS

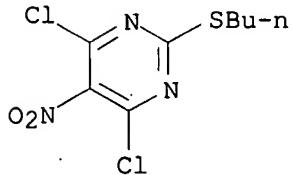
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599, 377

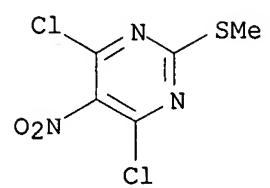
L4 ANSWER 44 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1973:43506 CAPLUS
DN 78:43506
TI Herbicidal and plant growth regulating 2-(alkylthio)-4,6-diamino-5-nitropyrimidine derivatives
IN Fischer, Hans Peter
PA Ciba-Geigy A.-G.
SO Ger. Offen., 49 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | DE 2223644 | A | 19721130 | DE 1972-2223644 | 19720515 |
| | CH 558137 | A | 19750131 | CH 1971-7229 | 19710517 |
| | IL 39417 | A | 19750728 | IL 1972-39417 | 19720511 |
| | NL 7206602 | A | 19721121 | NL 1972-6602 | 19720516 |
| | FR 2137933 | A5 | 19721229 | FR 1972-17420 | 19720516 |
| | FR 2137933 | B1 | 19730713 | | |
| | ZA 7203325 | A | 19730228 | ZA 1972-3325 | 19720516 |
| | BR 7203098 | D0 | 19730531 | BR 1972-3098 | 19720516 |
| | IT 955556 | B | 19730929 | IT 1972-24402 | 19720516 |
| | HU 164885 | B | 19740528 | HU 1972-CI1238 | 19720516 |
| | ES 402755 | A1 | 19750401 | ES 1972-402755 | 19720516 |
| | GB 1393993 | A | 19750514 | GB 1972-22973 | 19720516 |
| | CS 177082 | B2 | 19770729 | CS 1972-3315 | 19720516 |
| | SU 578825 | A3 | 19771030 | SU 1972-1785752 | 19720516 |
| | CA 994773 | A1 | 19760810 | CA 1972-142388 | 19720517 |
| | JP 56054283 | B | 19811224 | JP 1972-49491 | 19720517 |
| | US 3926997 | A | 19751216 | US 1974-448301 | 19740305 |
| | US 3969101 | A | 19760713 | US 1974-448438 | 19740305 |
| PRAI | CH 1971-7229 | A | 19710517 | | |
| | US 1972-252385 | A1 | 19720511 | | |
| IT | 39067-32-8P | | | | |
| | RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of) | | | | |
| RN | 39067-32-8 CAPLUS | | | | |
| CN | Pyrimidine, 2-(butylthio)-4,6-dichloro-5-nitro- (9CI) (CA INDEX NAME) | | | | |



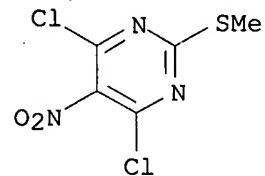
IT 1979-96-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with ethylamine)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)

10/599, 377



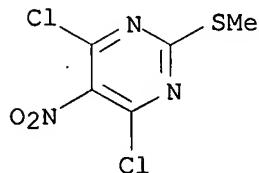
10/599, 377

L4 ANSWER 45 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1966:420827 CAPLUS
DN 65:20827
OREF 65:3869f-h
TI Derivatives of pyrimidine. II. Synthesis of halogenated pyrimidines
AU Protsenko, L. D.; Bogodist, Yu. I.
SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1966), 32(4), 378-82
CODEN: UKZHAU; ISSN: 0041-6045
DT Journal
LA Russian
IT 1979-96-0P, Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro-
RL: PREP (Preparation)
(preparation of)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA
INDEX NAME)



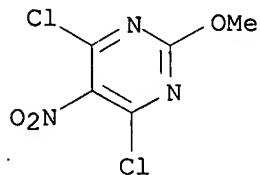
10/599,377

L4 ANSWER 46 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:431708 CAPLUS
DN 63:31708
OREF 63:5647b-d
TI Pyrimidine reactions. X. The methylation of triaminopyrimidines; conversion of the resulting imines into pteridines
AU Brown, D. J.; Jacobsen, N. W.
CS Australian Natl. Univ., Canberra
SO Journal of the Chemical Society (1965), (June), 3770-8
CODEN: JCSOA9; ISSN: 0368-1769
DT Journal
LA English
IT 1979-96-0P, Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro-
RL: PREP (Preparation)
(preparation of)
RN 1979-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-(methylthio)-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599, 377

L4 ANSWER 47 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:3082 CAPLUS
DN 62:3082
OREF 62:554c-d
TI Synthesis of 4,6-dihydroxy-2-methoxypyrimidine and derived pyrimidine derivatives
AU Moye, C. J.
SO Australian Journal of Chemistry (1964), 17(11), 1309-10
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English
IT 1200-96-0P, Pyrimidine, 4,6-dichloro-2-methoxy-5-nitro-
RL: PREP (Preparation)
(preparation of)
RN 1200-96-0 CAPLUS
CN Pyrimidine, 4,6-dichloro-2-methoxy-5-nitro- (7CI, 8CI, 9CI) (CA INDEX NAME)



10/599,377

=> log y
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE
ENTRY
170.61

TOTAL
SESSION
342.92

STN INTERNATIONAL LOGOFF AT 13:47:21 ON 29 SEP 2007